

FILE NO. - THIS

Encl. 2 in NID File

Encl. 1 in SR Sheet

Estimate Map Filled

Card Indexed

1 WR for State or Fee Land

Checked by Chief

Copy NID to Field Office

Approval Letter

Disapproval Letter

COMPLETION DATA:

Date Well Completed

OW \_\_\_\_\_ WW \_\_\_\_\_ TA \_\_\_\_\_

GW \_\_\_\_\_ OS \_\_\_\_\_ PA \_\_\_\_\_

Location Inspected

Land released

State of Fee Land

LOGS FILED

Drill Log \_\_\_\_\_

Electric Logs (No. ) \_\_\_\_\_

E \_\_\_\_\_ I \_\_\_\_\_ E-I \_\_\_\_\_ GR \_\_\_\_\_ GR-N \_\_\_\_\_ Micro \_\_\_\_\_

Lat \_\_\_\_\_ M-L \_\_\_\_\_ Sonic \_\_\_\_\_ Others \_\_\_\_\_

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK  
DRILL ☒ DEEPEN ☐ PLUG BACK ☐

b. TYPE OF WELL  
OIL WELL ☐ GAS WELL ☒ OTHER ☐ SINGLE ZONE ☐ MULTIPLE ZONE ☐

2. NAME OF OPERATOR  
Ambra Oil & Gas Company

3. ADDRESS OF OPERATOR  
115 South Main, Suite 420, Salt Lake City, UT 84111

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)  
At surface  
660' FNL, 1980' FEL of Section 10, NW NE  
T 20 S, R 23 E  
At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

6 miles northeast of Cisco, Utah

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)  
660'

16. NO. OF ACRES IN LEASE  
520 acres

17. NO. OF ACRES ASSIGNED TO THIS WELL  
40 acres

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.  
N/A

19. PROPOSED DEPTH  
2650' *Entrada*

20. ROTARY OR CABLE TOOLS  
rotary-air

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

4838' GR

22. APPROX. DATE WORK WILL START\*

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
11"	55-8 5/8" new	32 lbs	160'	35 sacks (cement to surface)
6 3/4"	55-4 1/2" new	10.5 lbs	2650'	65 sacks (cement into Mancos)

Will be drilled to test the Entrada.  
All shows encountered will be tested.

Blowout equipment to be used:  
Hydrill Type GK, 10" B.O.P.  
Tested to 5000 PSI  
With a 500 Series Power Accumulator

RECEIVED

FEB 15 1980

DIVISION OF  
OIL, GAS & MINING

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

(This space for Federal or State office use)

PERMIT NO.

43-019-30609

TITLE

*Production Manager*

DATE

2-15-80

APPROVAL DATE

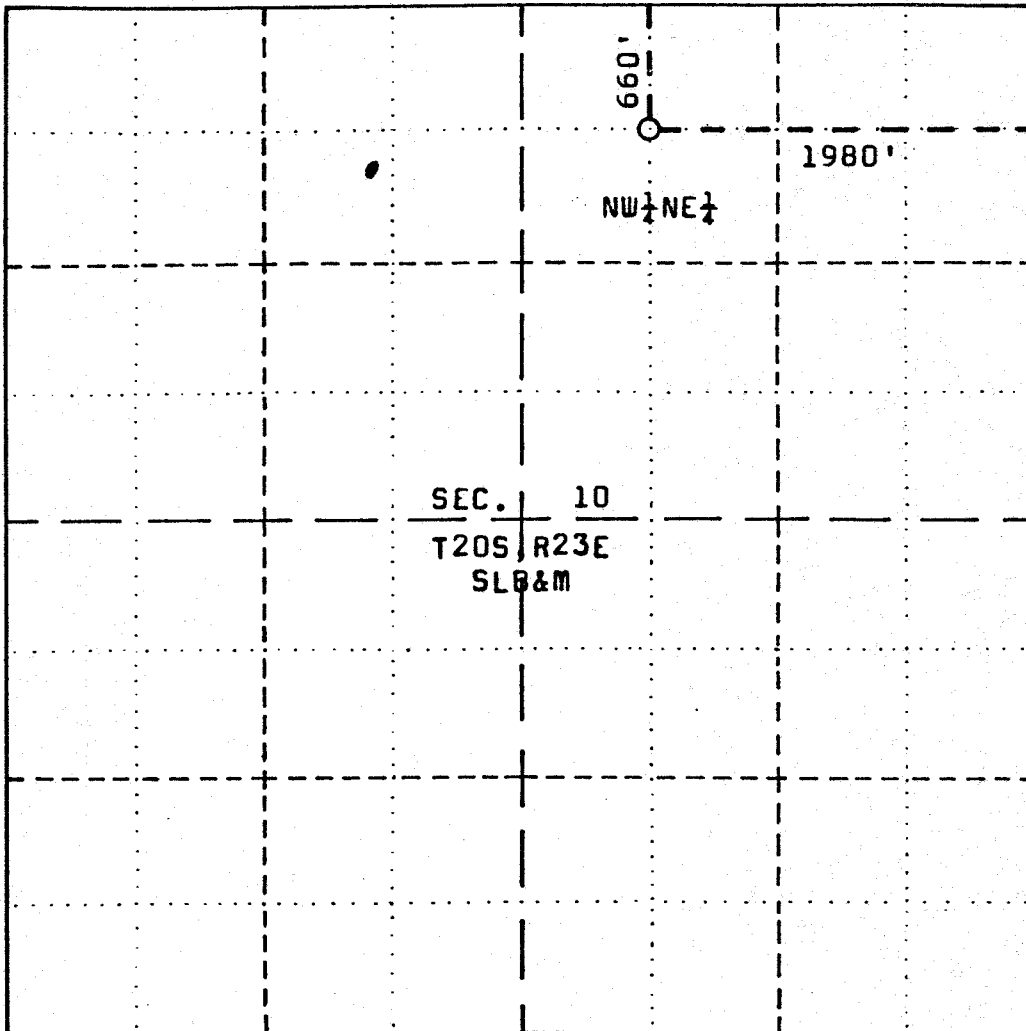
*February 20, 1980*

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:



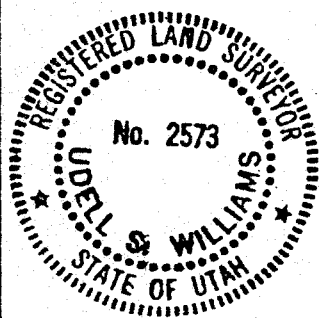
SCALE: 1" = 1000'

TX0 10-1-80

Located South 660 feet from the North boundary and West 1980 feet from the East boundary of Section 10, T20S, R23E, SLB&M.

Elev. 4838

Grand County, Utah



### SURVEYOR'S CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF

*Udell S. Williams*  
UTAH R.L.S. NO. 2573



**UDELL S. WILLIAMS**

751 Rood Avenue  
GRAND JUNCTION, COLORADO 81501

PLAT OF  
PROPOSED LOCATION

TX0 10-1-80  
NW 1/4 NE 1/4 SECTION 10  
T20S, R23E, SLB&M

SURVEYED BY: USW DATE: 2-25-80  
DRAWN BY: USW DATE: 2-25-80

## DESIGNATION OF OPERATOR

The undersigned is, on the records of the Bureau of Land Management, holder of lease

DISTRICT LAND OFFICE: Moab District Office, Moab, Utah

SERIAL No.: U-44440

and hereby designates

NAME: Ambra Oil & Gas Company

ADDRESS: Prudential Savings and Loan Building, 115 South Main,  
Salt Lake City, Utah 84111

as his operator and local agent, with full authority to act in his behalf in complying with the terms of the lease and regulations applicable thereto and on whom the supervisor or his representative may serve written or oral instructions in securing compliance with the Operating Regulations with respect to (describe acreage to which this designation is applicable):

Township 20 South, Range 23 East, Grand County, Utah.

Section 9: W/2NE/4, N/2NW/4;

Section 10: NW/4NE/4;

Section 14: SW/4SW/4;

Section 15: N/2NW/4, E/2SE/4;

Section 22: NE/4NE/4;

Section 23: N/2NW/4.

containing 520.00 acres, more or less.

It is understood that this designation of operator does not relieve the lessee of responsibility for compliance with the terms of the lease and the Operating Regulations. It is also understood that this designation of operator does not constitute an assignment of any interest in the lease.

In case of default on the part of the designated operator, the lessee will make full and prompt compliance with all regulations, lease terms, or orders of the Secretary of the Interior or his representative.

The lessee agrees promptly to notify the supervisor of any change in the designated operator.

TEXAS OIL & GAS CORP.

By: M. E. Cochran

(Signature of lessee)

M.E. Cochran-- Vice-President  
1800 Lincoln Center  
Denver, CO 80264

February 11, 1980

(Date)

(Address)

## Oil and Gas Drilling

EA No. 299-80

United States Department of the Interior  
 Geological Survey  
 2000 Administration Building  
 1745 West 1700 South  
 Salt Lake City, Utah 84104

## USUAL ENVIRONMENTAL ASSESSMENT

Date April 17, 1980

Operator Ambra Oil & Gas Co. Well No. TXO 10-1-80A  
 Location 660' FNL 1980' FEL Section 10 Township 20S Range 23E  
 County Grand State Utah Field/Unit Cisco Springs  
 Lease No. U-44440 Permit No. \_\_\_\_\_

Prepared by: Glenn M. Doyle  
Environmental Scientist  
Grand Junction, Colorado

Joint Field Inspection Date: April 1, 1980

## Field Inspection Participants, Titles, and Organizations:

<u>Jeff Robbins</u>	<u>Bureau of Land Management</u>
<u>Kerry Miller</u>	<u>Operator</u>
<u>Wes Pettingill</u>	<u>Operator</u>
<u>Dallas Galley</u>	<u>Dirt Contractor</u>
<u>Glenn Doyle</u>	<u>U. S. Geological Survey</u>
_____	_____
_____	_____

## Related Environmental Documents:

BLM-Moab, Book Mountain unit resource analysis.

BLM-Utah, 1979, Final initial wilderness inventory, USDI, August, 50 pp.

*Administratively complete?*  
 pond 150 x 200 } 1.1 acres  
 pit 25 x 60 }  
 1000' new access }  
 conditions of approval p. 6 (2-3)

## DESCRIPTION OF PROPOSED ACTION

Proposed Action:

1. Location                      State:      Utah  
    County:    Grand

660 ' F N L, 1980 ' F E L, NW ¼ NE ¼

Section 10, T20S, R23E, SLM

2. Surface Ownership                      Location:      Public  
    Access Road:    Public

Status of Reclamation Agreements: Not Applicable

3. Dates                      APD Filed:                      2/22/80  
    APD Technically Complete:    3/07/80  
    APD Administratively Complete: 3/3/80

4. Project Time Frame                      Starting Date: April 1980  
    Duration of drilling activities: 5 days.

A period of 30 to 60 days is normally necessary to complete a well for production if hydrocarbons are discovered. If a dry hole is drilled, recontouring and reseeding would normally occur within one year; revegetation or restoration may take several years. If the well is a producer, an indefinite period of time would occur between completion and rehabilitation.

5. Related actions of other federal or state agencies and Indian tribes:

None known

6. Nearby pending actions which may affect or be affected by the proposed action:

None known

7. Status of variance requests:

None known

The following elements of the proposed action would/could result in environmental impacts:

1. A drill pad 150' wide x 200' long and a reserve pit 25' x 60' would be constructed. Approximately 1000 feet of new access road, averaging 15' in width, would be constructed from a maintained road. 1.1 acres of disturbed surface would be associated with the project.
2. Drilling

3. Waste disposal
4. Traffic
5. Water requirements
6. Completion
7. Production
8. Transportation of hydrocarbons
9. Other

Details of the proposed action are described in the Application for Permit to Drill.

#### Environmental Considerations of the Proposed Action:

Regional Setting/Topography - Regional topography is flat desert and rolling hills grading to the talus-flanked Book Cliffs.

#### PARAMETER

A. Geology - Surface is Mancos Shale. Other formations are listed in the 10-Point Subsurface Plan.

Information Source: Application to Drill

1. Other Local Mineral Resources to be Protected: Coal is possible in thin, lenticular beds within the Dakota Sandstone.

Information Source: ME, District Geologist

#### 2. Hazards:

- a. Land Stability: Location and access built on Mancos Shale. Material is stable, provided the slopes are moderate and moisture content is low.

Information Source: Field observation, Application to Drill

- b. Subsidence: Subsidence can occur with the withdrawal of oil, gas, and/or water.

Information Source: Keller, Edward A., 1976, Environmental geology, Charles E. Merrill, 488 pp.

- c. Seismicity: Seismic risk: low. Statistically, greatest damage would be moderate, corresponding to intensity VII of Modified Mercalli Intensity Scale, 1931.

Information Source: Perkins, David M., 1974, Seismic risk maps, Reprint of Earthquake information bulletin, 6(6) Nov-Dec.; von Hake, Carl A., Earthquake History of Utah, NOAA; Algermissen, S. T., and Perkins, David M., 1977, Earthquake hazards map of the United States, Reprint from Earthquake Information Bulletin, 9(1) Jan-Feb., 4 pp.

d. High Pressure Zones/Blowout Prevention: No high pressure zones expected. Blowout prevention systems detailed in APD.

Information Source: Application to Drill

## B. Soils

1. Soil Character: No detailed soil surveys done in area. Changes in soil fertility, horizons, slope stability, etc., cannot be predicted. Soils are considered nitrogen-poor, alkaline soils that support the salt-desert community.

Information Source: Field observation

2. Erosion/Sedimentation: Erosion/sedimentation would increase as would runoff potential. Extent of increases unpredictable without site-specific studies being done.

Information Source: Field observation

C. Air Quality - Well site lies in Class II attainment area. No Class I attainment areas are near, or adjacent to, proposed location.

Information Source: BLM-Moab, Book Mountain unit resource analysis; Utah State Division of Health, Conservation Committee, 1979, Utah air conservation regulations, Bureau of National Affairs, Inc., February.

D. Noise Levels - Ambient noise levels temporarily elevated. Personnel safety could be jeopardized. Wildlife would avoid area.

Information Source: Field observation

## E. Water Resources

### 1. Hydrologic Character

a. Surface Waters: Several small, intermittent drainages would be leveled and filled during construction.

Information Source: Field observation

b. Ground Waters: Contamination to groundwaters through commingling with drilling fluids is possible.

Information Source: Field observation



2. Water Quality

- a. Surface Waters: No significant changes to surface water quality would be expected.

Information Source: Field observation

- b. Groundwaters: Operator proposes 160' of surface casing. Commingling of drilling fluids with potentially usable water could render groundwater unusable. Pits would be unlined.

Information Source: Application to Drill

F. Flora and Fauna1. Endangered and Threatened Species Determination

Based on the formal comments received from the Bureau of Land Management on April 7, 1980, we determine that there would be no effect on endangered and threatened species and/or their critical habitat.

2. Flora: Construction would remove about 1.1 acres of vegetation increasing potential for non-point erosion and decreasing soil fertility.

Information Source: Application to Drill

3. Fauna: Vegetation removal reduces wildlife habitats and food sources. Deer are not known to winter in the area. No known migratory bird nesting areas, strutting or breeding grounds, or fish-spawning areas would be impacted by proposed action.

Information Source: BLM-Moab, Book Mountain unit resource analysis.

G. Land Uses

1. General: Oil and gas operations, recreation, and grazing are major land uses. Amount and quality of land available to livestock, wildlife, and recreationists would be reduced during well life.

Information Source: Field observation

2. Affected Floodplains and/or Wetlands: N/A

Information Source: Field observation

- H. Aesthetics: Operation would not blend with natural surroundings. Most likely unappealing to recreationists. Impact duration: life of well.

Information Source: Field observation

I. Socioeconomics: The effect of one well on local and regional population and economy would be considered minor. If major discovery, then consider: Population increase, community services taxed, resources depleted, cumulative impacts multiply, pipelines and transportation routes expand.

Information Source: G. Doyle, Environmental Scientist, USGS

J. Cultural Resources Determination: Based on the formal comments received from the Bureau of Land Management on April 7, 1980, we determine that there would be no effect on cultural resources subject to no stipulations.

Information Source: Bureau of Land Management

K. Adequacy of Restoration Plans: Rehabilitation plan judged as adequate. Problems hampering restoration: a) Area subject to short growing season; b) limited precipitation during growing season; and c) generally, very little topsoil which has limited organic matter and is low in fertility.

Information Source: David Oberwager, Env. Spec. (Reclamation), USGS-A0S0.

#### Alternatives to the Proposed Action:

1. Disapproving the proposed action or no action - If the proposed action is denied, no action would occur, the existing environment would remain in its present state, the lessee/operator would not realize any return on investments and the public would be denied a potential energy source.

2. Approving the project with the recommended stipulations - Under federal oil and gas leasing provisions, the Geological Survey has a responsibility to approve mineral development if the environmental consequences are not too severe or irreversible. Permanent damage to the surface and subsurface would be prevented as much as possible under USGS and Surface Management Agency supervision. Environmental impacts would be significantly mitigated.

#### Adverse Environmental Effects:

1. If approved as proposed:

a. About 1.1 acres of vegetation would be removed, increasing and accelerating erosion potential.

b. Pollution of groundwater systems would occur with the introduction of drilling fluids into the aquifer(s). The potential for interaquifer leakage and lost circulation is ever-present, depending on the casing program.

c. Minor air pollution would be induced on a temporary basis due to exhaust emissions from rig engines and support traffic.

d. The potential for fires, leaks, spills of gas and oil or water exists.

e. During construction and drilling phases of the operation, noise and dust levels would increase.

f. Distractions from aesthetics during the lifetime of the project would exist.

g. Erosion from the site would eventually be carried as sediment in the Colorado River. The potential for pollution to Cisco Springs would exist through leaks and spills.

h. If hydrocarbons would be discovered and produced, further development of the area could be expected to occur, which would result in the extraction of an irreplaceable resource, and further negative environmental impacts. These impacts include the cumulative loss of wildlife habitat due to the areas necessary for roads, pipelines, drillsites, and transmission lines. These actions may disrupt wildlife social behavior and force habitat relocation over an extended period of time. In addition, the cumulative effects of non-point erosion become substantial in a developing field, primarily those located near perennial streams where siltation and sedimentation are critical to aquatic life cycles.

i. Other: Both cattle and sheep could be endangered by toxic or hazardous fluids in the reserve pit, if it was not properly fenced.

## 2. Conditional approval

a. All adverse impacts described in section one above would occur, except by fencing the reserve pit on three sides prior to drilling, and on the fourth side once the rig moves off, livestock would be protected from harmful fluids.

### Recommended Approval Conditions:

Drilling should be allowed, provided the following mitigative measures are incorporated into the proposed APD and adhered to by the operator:

1. ~~See attached Lease Stipulations.~~
2. See attached BLM Stipulations.
3. Fence reserve pit on three sides prior to drilling and on the fourth side once the rig moves off.

Controversial Issues and Conservation Division Response: None known

We have considered the proposed action in the preceding pages of this EA and find, based on the analysis of environmental considerations provided therein, no evidence to indicate that it will significantly (40 CFR 1508.27) impact the quality of the human environment.

Determination

I determine that the proposed action (as modified by the recommended approval conditions) does not constitute a major Federal action significantly affecting the quality of the human environment in the sense of NEPA, Section 102(2)(C).

*WP Martin for E.W. Guyon*

District Engineer  
U. S. Geological Survey  
Conservation Division  
Oil & Gas Operations  
Salt Lake City District

**APR 18 1980**

Date

APPENDICES

APPENDIX I	Bureau of Land Management Stipulations
APPENDIX II	Water authorization letter
APPENDIX III	Mineral Evaluation Report
APPENDIX IV	Mining Report

### STANDARD STIPULATIONS FOR OIL & GAS EXPLORATION

1. Contact this office at least 24 hours prior to beginning construction of access road and pad.
2. Stockpile the surface 12 inches of topsoil in a wind-row on the northeast side of the location.
3. The upper banks (uphill side) of all cuts will be rounded during construction of the access road and pad.
4. Notify the BLM District Archaeologist if cultural material from subsurface deposits is exposed during the operation.
5. The trash pit will be at least 4' x 6' x 6' and fenced with fine mesh wire during drilling operations.
6. The "blooey" line will be centered and directed into the pit.
7. If production is obtained, additional surface disturbing activities are not approved at this time.
8. Rehabilitation of the site and access road will be accomplished in accordance with the enclosed restoration procedures.
9. The reserve pit will be fenced on three sides during the drilling operation. A woven wire fence (35 inch) topped by one strand of barbed wire 4 inches above it is suitable for both cattle and sheep. If liquids persist in the pit after the rig has moved off, the fourth side of the pit should then be fenced.

## RECLAMATION PROCEDURES IN GRAND RESOURCE AREA

1. Disk or rip pads and access roads.
  - a. Overlap passes in order to insure complete treatment.
2. Contour pads and access roads.
  - a. Lay berms into centers.
  - b. Use cut material for fill areas.
  - c. Lay stockpiled surface soil over top of pads and spread evenly.
  - d. On highly erosive soils, it may be more beneficial to grade slopes to reduce steepness.
  - e. Do not smooth pads out, leave a roughened surface. On steeper slopes and slopes with clayey soils scarify or serrate the ground in order to increase water infiltration and reduce erosion.
3. Water bar roads where required by this office.

*	2%	Grade	-	200 ft. intervals
	2-4%	Grade	-	100 ft. intervals
	4-5%	Grade	-	75 ft. intervals
	5%	Grade	-	50 ft. intervals

\* Actual spacing may vary according to soil stability. Lighter textured soils will require more frequent water bars. When natural drainage ways are present, water bars are to be constructed to make maximum use of them. Plan operations so that natural drainage ways do not become blocked.
4. Seed roads and pads in the fall (Oct. through mid-Dec.).

# SEED MIXTURE

## Species

lbs/acre

### Grass

Oryzopsis hymenoides  
Hilaria jamesii  
Sporobolus cryptandrus

Indian Rice Grass  
Galleta  
Sand Dropseed

1  
1  
1

### Forbs

Sphaeralcea ambigua

Globe Mallow

1

### Shrubs

Atriplex canescens  
Atriplex confertifolia  
Atriplex gardnerii (Nuttallii)  
Eurotia lanata

Fourwing Saltbush  
Shadscale  
Gardner Saltbush  
Winterfat

1  
1  
1  
1

---

7



*Glenn*

FROM: DISTRICT GEOLOGIST, SALT LAKE CITY, UTAH

TO: DISTRICT ENGINEER, O&amp;G, SALT LAKE CITY, UTAH

SUBJECT: APD MINERAL EVALUATION REPORT

LEASE NO. U-6355B/U-4444OPERATOR: Amber Oil & Gas Co.WELL NO. TXO-10-1-80ALOCATION: 1/4 NW 1/4 NE 1/4 sec. 10, T. 20S, R. 23E, SLMGrand County, Utah1. Stratigraphy: *Tops appear reasonable!**Manaca - Surface**Dakota - 1680'**Cedar Mt. - 1710'**Morrison - 1890'**Salt Wash - 2170'**Summerville - 2410'**Enclada - 2450'*

## 2. Fresh Water:

*possible useable water in the sands of the Manaca, if less than 500 ft. beneath the surface.*

## 3. Leasable Minerals:

*Coal is possible in thin lenticular beds within the Dakota S.S.*

## 4. Additional Logs Needed:

*Quite adequate*

19 MAR 1980

## 5. Potential Geologic Hazards:

*none anticipated*

## 6. References and Remarks:

*Map I-736  
in Cisco Springs KGS.*

APPENDIX III

Signature: Joseph IncardineDate: 3-12-80

**\*\* FILE NOTATIONS \*\***

DATE: February 15, 1980

Operator: Ambra Oil & Gas Company

Well No: TXO-10-1-80A

Location: Sec. 10 T. 20S R. 23E County: Grand

File Prepared: ☐

Entered on N.I.D.: ☒

Card Indexed: ☒

Completion Sheet: ☐

☒ API Number 43-019-30609

**CHECKED BY:**

Geological Engineer: M. J. Winder 2/18/80

Made plat of lease

Petroleum Engineer: \_\_\_\_\_

Director: \_\_\_\_\_

no other wells in vicinity

**APPROVAL LETTER:**

Bond Required: ☐

Survey Plat Required: ☐

Order No. 102-16B 11/15/79

O.K. Rule C-3 ☐

Rule C-3(c), Topographic Exception/company owns or controls acreage within a 660' radius of proposed site ☐

Lease Designation Gas

Plotted on Map ☐

Approval Letter Written ☐

#3

nl  
PI

February 20, 1980

Ambra Oil and Gas Company  
115 South Main, Suite 420  
Salt Lake City, Utah 84111

Re; Well No. TX0-10-1-80A, Sec. 10, T. 20S, R. 23E., Grand County, Utah  
Well No. TX0-14-1-80A, Sec. 14, T. 20S, R. 23E., Grand County, Utah  
Well No. Petro-15-5-80A, Sec. 15, T. 21S, R. 23E., Grand County, Utah  
Well No. Tumbleweed-27-2-80A, Sec. 27, T. 20S, R. 21E., Grand County, Utah

Insofar as this office is concerned, approval to drill the above referred to gas wells is hereby granted in accordance with the Order issued in Cause No. 102-16B dated November 15, 1979.

Should you determine that ~~it~~ will be necessary to plug and abandon these wells, you are hereby requested to immediately notify the following:

MICHAEL T. MINDER - Geological Engineer  
Office: 533-5771  
Home: 876-3001

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API numbers assigned to these wells are: TX0-10 -- 43-019-30609; TX0-14 -- 43-019-30610; Petro -- 43-019-30611; Tumbleweed -- 43-019-30612.

Sincerely,

DIVISION OF OIL, GAS AND MINING

Michael T. Minder  
Geological Engineer

/btm  
cc: USGS

Memorandum

*Amelia Oil & Gas Co.*  
*10-20S-23E*  
*Well No. TXO-10-1-80A*

*Glenn*

To: District Oil and Gas Engineer, Mr. Edward Guynn

From: Mining, Supervisor, Mr. Jackson W. Moffitt

Subject: Application for Permit to Drill (form 9-331c) Federal oil and gas lease No. U-6355B Well No. TXO-10-1-80A

1. The location appears potentially valuable for:

- ☐ strip mining\*
- ☐ underground mining\*\*
- ☒ has no known potential.

2. The proposed area is

- ☐ under a Federal lease for \_\_\_\_\_ under the jurisdiction of this office.
- ☒ not under a Federal lease under the jurisdiction of this office.
- ☐ Please request the operator to furnish resistivity, density, Gamma-Ray, or other appropriate electric logs covering all formations containing potentially valuable minerals subject to the Mineral Leasing Act of 1920.

\*If location has strip mining potential:

Surface casing should be set to at least 50 feet below the lowest strip minable zone at \_\_\_\_\_ and cemented to surface. Upon abandonment, a 300-foot cement plug should be set immediately below the base of the minable zone.

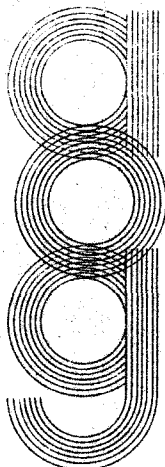
\*\*If location has underground mining potential:

The minable zones should be isolated with cement from a point 100 feet below the formation to 100 feet above the formation. Water-bearing horizons should be cemented in like manner. Except for salines or water-bearing horizons with potential for mixing aquifers, a depth of 4,000 feet has been deemed the lowest limit for cementing.

Signed *Allen J. Vance*

## REFERENCES

- 1 BLM-Moab, Book Mountain Unit Resource Analysis
- 2 Keller, Edward A., Environmental Geology, 488 pages, 1976, Charles E. Merrill.
- 3 Utah State Division of Health, Conservation Committee, Utah Air Conservation Regulations, Revised February, 1979, Bureau of National Affairs, Inc.
- 4 Perkins, David M., Seismic Risk Maps, Reprint-Earthquake Information Bulletin, Nov-Dec 1974, Vol 6, No. 6.
- 5 von Hake, Carl A., Earthquake History of Utah, NOAA.
- 6 BLM-Utah, Final Initial Wilderness Inventory, 50 pp, August 1979, USDI.
- 7 Brown, Merle, Climates of the States - Utah, 15 pp, Climatography of the U.S., No. 60-42, Feb. 1960.



# ambra oil & gas co.

Suite 420-430  
Prudential Federal Savings & Loan Building  
115 South Main - Salt Lake City, Utah 84111  
(801) 532-6640

February 27, 1980

**RECEIVED**

MAR 3 1980

DIVISION OF  
OIL, GAS & MINING

U.S. Geological Survey  
2000 Admin. Bldg.  
1745 West 1700 South  
Salt Lake City, UT 84104

Attn: Mr. Ed Gynn

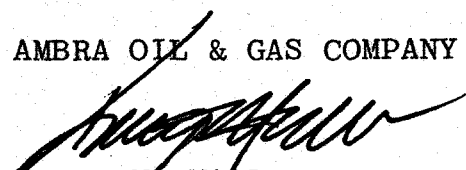
Dear Mr. Gynn:

Enclosed please find Designation of Operator for Ambra Oil & Gas Co. from the Texas Oil & Gas Co., lease holder of U-44440. These will cover the APD 933-1 for Ambra Oil & Gas TXO 10-1-80A and the TXO 14-1-80A.

Thank you for your attention in this matter.

Sincerely,

AMBRA OIL & GAS COMPANY

  
Kerry M. Miller  
Production Manager

KMM:kf

Enclosures

cc: Division of Oil, Gas & Mining

## DESIGNATION OF OPERATOR

**RECEIVED**  
MAR 3 1980

The undersigned is, on the records of the Bureau of Land Management, holder of lease

DISTRICT LAND OFFICE: Moab District Office, Moab, Utah  
SERIAL No.: U-44440

DIVISION OF  
OIL, GAS & MINING

and hereby designates

NAME: Ambra Oil & Gas Company  
ADDRESS: Prudential Savings and Loan Building, 115 South Main,  
Salt Lake City, Utah 84111

as his operator and local agent, with full authority to act in his behalf in complying with the terms of the lease and regulations applicable thereto and on whom the supervisor or his representative may serve written or oral instructions in securing compliance with the Operating Regulations with respect to (describe acreage to which this designation is applicable):

Township 20 South, Range 23 East, Grand County, Utah.

Section 9: W/2NE/4, N/2NW/4;

Section 10: NW/4NE/4; --

Section 14: SW/4SW/4; --

Section 15: N/2NW/4, E/2SE/4;

Section 22: NE/4NE/4; --

Section 23: N/2NW/4. --

containing 520.00 acres, more or less.

It is understood that this designation of operator does not relieve the lessee of responsibility for compliance with the terms of the lease and the Operating Regulations. It is also understood that this designation of operator does not constitute an assignment of any interest in the lease.

In case of default on the part of the designated operator, the lessee will make full and prompt compliance with all regulations, lease terms, or orders of the Secretary of the Interior or his representative.

The lessee agrees promptly to notify the supervisor of any change in the designated operator.

TEXAS OIL & GAS CORP.

By: M.E. Cochran

(Signature of lessee)

M.E. Cochran— Vice-President  
1800 Lincoln Center  
Denver, CO 80264

February 11, 1980

(Date)

(Address)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

DUPLICATE

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

## 1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

## b. TYPE OF WELL

OIL  
WELL ☐GAS  
WELL ☒

OTHER

SINGLE  
ZONE ☐MULTIPLE  
ZONE ☐

## 2. NAME OF OPERATOR

Ambra Oil &amp; Gas Company

## 3. ADDRESS OF OPERATOR

115 South Main, Suite 420, Salt Lake City, UT 84111

## 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*

At surface

660' FNL, 1980' FEL of Section 10,

T 20 S, R 23 E

At proposed prod. zone

## 14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

6 miles northeast of Cisco, Utah

## 15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drlg. unit line, if any)

660'

## 18. DISTANCE FROM PROPOSED LOCATION\*

TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

N/A

## 16. NO. OF ACRES IN LEASE

520 acres

## 19. PROPOSED DEPTH

2650'

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

40 acres

## 20. ROTARY OR CABLE TOOLS

rotary-air

## 21. ELEVATIONS (Show whether DF, RT, GR, etc.)

4838 GR

## 22. APPROX. DATE WORK WILL START\*

April 30, 1980

## 23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
11"	55-8 5/8" new	32 lbs	160'	35 sacks (cement to surface)
6 3/4"	55-4 1/2" new	10.5 lbs	2650'	65 sacks (cement into Mancos)

Will be drilled to test the Entrada.  
All shows encountered will be tested.

Blowout equipment to be used:

Hydrill Type GK, 10" B.O.P.

Tested to 5000 PSI

With a 500 Series Power Accumulator

RECEIVED  
APR 22 1980DIVISION OF  
OIL, GAS & MINING

State of Utah, Department of Natural Resources  
Division of Oil, Gas, and Mining  
1588 West North Temple  
Salt Lake City, Utah 84116

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

TITLE

DATE

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

FOR

E. W. GUYNN  
DISTRICT ENGINEER

DATE

CONDITIONS OF APPROVAL, IF ANY:

CONDITIONS OF APPROVAL ATTACHED  
TO OPERATOR'S COPY

\*See Instructions On Reverse Side

FLARING OR VENTING OF  
GAS IS SUBJECT TO NTL 4-A  
DATED 1/1/80

NOTICE OF APPROVAL

Ut. State O&amp;G





# ambra oil & gas co.

Suite 420-430  
Prudential Federal Savings & Loan Building  
115 South Main - Salt Lake City, Utah 84111  
(801) 532-6640

U.S. Geological Survey  
1745 West 1700 South  
2000 Admin. Building  
Salt Lake City, Utah 84104

RE: NTL-6  
Supplementary Information  
For APD, 9-331-C

Attention: Mr. Ed Gynn

Application for Ambra Oil & Gas Co., a Utah Corporation, to drill in the NW $\frac{1}{4}$ NE $\frac{1}{4}$  of Section 10, T 20 S, R 23 E, Grand County, Utah is set forth on Form 9-331C. This letter is to set forth the additional information required on the NTL-6 regulation.

1. Geologic name of surface formation: Cretaceous Mancos shale.

2. & 3. Geologic tops and formation depths:

Cretaceous	Mancos shale	surface	
	Dakota	1,680'	oil & gas
	Cedar Mountain	1,710'	oil & gas
Jurassic	Morrison	1,890'	
	Salt Wash	2,170'	oil, gas, water
	Summerville	2,410'	oil, gas, water
	Entrada	2,450'	water

4. Casing program: See Form 9-331C.

5. Pressure control equipment: Operator will use 8 5/8" good PSI spool with hydril BOP above spool. A 8 5/8" 5,000 PSI spool will be used above BOP. A rotating head will be used above the flow line spool. The BOP is bag type, 10" G.K. hydril 1,500 with a 500 series power connection. BOP will be tested every 24-hours during daily operations.

6. Drilling and circulating medium: The drilling rig has a Gardner Denver air compressor and will drill with air and air mist into pay sands. In the event high gas or oil pressures are encountered, a weighted salt base mud will be used to control pressures and keep well under control.

7. Auxiliary equipment: (1) Celly Cock incorporated in the rig. (2 & 3) not required (4) safety sub with fill opening valve to be stabbed into drill pipe when Kelly is not on string.

8. Testing, logging, coring: No. D.S.T.'s programmed. Operator will drill to T.D. and set 4 1/2" casing if oil or gas saturated sands are present. Well cuttings will be taken at each 10-foot interval and checked by a certified geologist for shows of oil and/or gas and logged for lithologic and stratigraphic evaluation. When T.D. is reached, well bore will be logged by Schlumberger with CNFD and DIL surveys. No coring is programmed.


9. Operator anticipates normal pressures, not to exceed 1,000 lbs at 2,650'. No hydrogen sulfide problems are expected.

10. Drilling operations will begin April 30, 1980 and completion is anticipated in five working days.

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and, that the work associated with the operations proposed herein will be performed by AMBRA OIL & GAS COMPANY, and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

2-21-80

Date

 Production Manager

Name and Title



# ambra oil & gas co.

Suite 420-430  
Prudential Federal Savings & Loan Building  
115 South Main • Salt Lake City, Utah 84111  
(801) 532-6640

U.S. Geological Survey  
2000 Admin. Bldg.  
1745 West 1700 South  
Salt Lake City, Utah 84104

RE: TXO 10-1-80A  
Multipoint Requirements  
to Accompany APD

Attention: Mr. Ed Guyann

1. Existing Roads

a. Proposed well site is staked.

b. Route and distance from nearest town. Well site is located eleven miles northeast of Cisco, Utah. Exit at the east Cisco Bookcliff exit on I-70 to the north coming to the first intersection of the county roads follow the left road 4 1/2 miles to the second right hand turn off at the A W Cullen well. Proceed past the Cullen well to the turn off road for the Levon well; continue northwest past the Levon access road to the first intersecting road to the right, which goes to the Inland Fuels location in Section 2. On the northwest side of this road the staking for the right-of-way for the access road to the TXO 10-1. The length of this road is approximately 1,000', all on flat terrain.

c. Access road is color coded in red with the existing road color coded in blue on the enclosed topo map.

d. does not apply

e. If development well, list all the existing roads within a one mile radius of well site: this includes the main county road which heads from the NENW, and crosses Section 14. This also includes the access road past the A W Cullen well which then leads to the U.V. Industries #4 in NENW, Sec. 10; the access road to the Levon #1, SENW, Sec. 11, the access road to the Willard Pease #5, NESE and the access road from the UV Industries #4 to the Inland Fuels, NWNW, Sec. 11. It is from this existing road that we will originate the access road to the 10-1.

f. Plans for improvement and/or maintenance of existing roads. In the event of production, operator will work to maintain a graded and an improved road year-round. This will require cooperation with the other operators in the area to maintain this road.

## 2. Planned Access Roads

1. Width: 15' bladed out on flat land.
2. Maximum grades: two degrees.
3. Turn-out: access road is straight, no turn-outs are needed.
4. Drainage design: small borrow pits on each side for easy drainage.
5. Location of culverts and brief decription of any major cuts and fills. No culverts are wanted or needed in this area. Land is flat desert with small weeds growing. There are no major cuts or fills in this area.
6. Surfacing material: none needed. Land will be disturbed little. No foreign material is needed.
7. Necessary gates, cattleguards, or fence cuts: none needed in this area.
8. New or reconstructed roads: the operator will make use of the existing roads in the area. A new road will be surface scraped northwest from the Inland Fuels Sec. 11 (NWNW) access road 1,000' to our location. Small borrow pits will be constructed to allow proper drainage of the road. This is a flat surface, no grades and no cuts or fills will need to be made.

## 3. Location of Existing Wells

### a. Producing wells in a one mile radius:

1. Sec 9 Jacobs Drilling 1-355-Oil & Gas
2. Willard Pease #1-506-Gas
3. Sec 10 Willard Pease #1-A-Oil & Gas
4. Willard Pease #1-Gas
5. Willard Pease #6-Oil & Gas
6. UV Industries #4-Oil & Gas
7. Willard Pease #5-Oil & Gas
8. Sec 11 Inland Fuels 11-1-Gas, AW Cullen #2-Gas
9. Boardwalk/Ambra Levon #1-Oil & Gas
10. Sec 15 Willard Pease C Govt. #1-Oil & Gas

### b. Producing wells in a two mile radius:

1. Sec 2 Frank Adams 2-2-Oil
2. Sec 4 Willard Pease #143-Gas
3. Sec 14 Willard Pease #4-Oil, #9-Gas
4. Boardwalk/Ambra Browndirt #1-Gas
5. Sec 13 Petrovest-Oil & Gas
6. Jacobs #1-Oil & Gas
7. Jacobs #2-Oil & Gas
8. Isabelle Thomas #8-Oil & Gas

c. No water well, disposal wells, or injection wells in this one mile radius.

4. Location of Existing and/or Proposed Facilities

a. 1. Tank batteries: The operator maintains an oil tank battery on the Levon #1 well in Section 11. This tank battery will not be used if production is established with this well. New tank batteries will be installed on the TXO 10-1 location if oil production is established.

2. Production facilities: Operator maintains a 3-stage separator on the Levon #1 well in Sec. 11. They also maintain a 2-stage separator on the Browndirt well in Sec. 14. Neither of these production facilities can be utilized if production is established on the TXO 10-1. If we have production, such equipment will be installed.

3. Oil gathering line: none - only tank at location if oil production is hit.

4. Gas gathering line: Northwest Pipeline in the NENW of Section 10.

5. Injection lines: none

6. Disposal lines: none

b. 1. If new facilities are contemplated in the event of production: a sundry notice will be submitted to the USGS and BLM area office with an exact sketch of the area showing planned production facilities. All open and exposed pits will be fenced to protect livestock and wildlife and an earthen fire bunker will be built around any tanks. Gas lines will be laid on the surface to the main 6" grand gas collection system operated by Northwest Pipeline. A time schedule for this will be within a 60-day period upon completion of the well and subject to approval of the sundry notice and any subsequent right-of-way.

c. 1. Plan for rehabilitation of disturbed areas: no longer needed for operation after construction. Pits will be fenced until fluid evaporates and then filled in. That will be reseeded anywhere from October 15 to November 15 as required by the BLM. The seeding mixture prescribed by the BLM will be used. The surface area is flat, however, this area will be graded to the original contours. Also note, construction and rehabilitation will be limited to the original well pad. All stock pile surface soil will be graded back over location after contouring for subsequent reseeding.

5. Location and Type of Water Supply

a. Location and type of water supply either on map or by written description: Cisco Springs, north of location, north on the main Cisco Springs Danish Flat road - 5 miles. Indicated in green on enclosed map.

b. State method of transporting water: water tank truck.

c. No water well is planned or needed.

6. Source of Construction Materials

The location will be on Federal land so if any sand or gravel is needed, it will be brought into the area from a private source in Thompson, Utah, 21 miles west. Until production is established, the road will be surface scraped dirt (shale) road from the existing road to the proposed well location. However, no construction materials are needed. This is a flat desert land on Mancos shale formations. Bladed roads that are watered and packed down are the best roads in this area. When disturbed a great deal, the road is poor and not easy to travel. When lightly bladed with borrow pits on the side for drainage, no material is needed.

7. Method For Handling Waste Disposal

Cuttings and drilling fluids will be discharged via air into a reserve pit. Portable chemical toilet will be on location for sewage. Garbage and waste material will go in trash pits, fenced with mesh screen then burned and buried when work is completed. Location will be cleaned and all materials not burned will be hauled away. Produced fluids (oil and water) will go to tanks and pits, respectively. The blowby line will be 125' long, centered and angled down into a trench pit. It will be anchored. The blowby line will be misted while drilling with air. The area will be free of trash and debris when rig is moved out.

8. Auxiliary Facilities

None other than a trailer and dog house. No camp or air strip required.

9. Well Site Layout

1. Cross section of drill pad with cuts and fills 200' x 200'. Location is flat, no cuts or fills are needed. Surface soil will be stock piled on the west side of location 12" high.

2. Mud tank, reserve, burn and trash pits, etc. See drawing.

3. See drawing.

4. Pits are to be unlined.

10. Restoration Plans

1. Backfill of pits and all surface holes will be completed and will be leveled to the original contour of the land before drilling. Waste disposal will be accomplished as follows: all portable waste will be burned and buried in the waste pit. All other trash will be hauled out of the area.

2. Revegetation and Rehabilitation: the grounds including the access road will be conditioned and revegetated and seeded as per BLM requirements, that being regrading of the surface soil and reseeded to take place from October 15 to November 15.

3. After the rig is moved.

4. If there is oil in the pit, we will either remove it or install overhead flagging.

5. Time they will perform commencement of rehabilitation operations: rehabilitation of the well site area will be completed within 60-days after the spud date. With the exception of the reseeded following BLM instructions. We will restore location back to original condition before rig moved in.

11. Other Information

The location is part of the Green River desert area. No trees grow on the Mancos shale valley, only sagebrush and shad. Cattle graze the area in fall and spring seasons. There is no water and very little vegetation. Cisco Springs is 4 miles away and the nearest town, Cisco is 11 miles to the southwest with practically no dwellings and no evidence of historical, cultural nor archeological value. There will be no other surface use.

12. Operator

Ambra Oil & Gas Company  
115 South Main Street  
Suite 420  
Salt Lake City, Utah 84111

Telephone: (801) 532-6640

Attention: Mr. Tony Cox, Mr. Wes Pettingill

13. Certification

The following statement is to be incorporated in the plan and must be signed by the lessee's or operator's field representative who is identified in Item No. 12 of the plan.

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that the statements made in this plan are, to the best of my knowledge, true and correct; and, that the work associated with the operations proposed herein will be performed by AMBRA OIL & GAS COMPANY and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

2-21-80

Date

*Steve Miller* Production Manager

Name and Title





# ambra oil & gas co.

Suite 420-430  
Prudential Federal Savings & Loan Building  
115 South Main • Salt Lake City, Utah 84111  
(801) 532-6640

February 21, 1980

U.S. Geological Survey  
2000 Admin. Building  
1745 West 1700 South  
Salt Lake City, Utah 84104

RE: TXO 10-1-80A

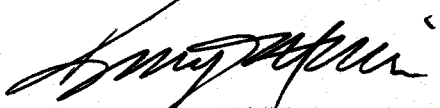
Attn: Mr. Ed Gynn

## SUPPLEMENTAL AMENDMENT

Enclosed please find Udell S. Williams' survey plat for the TXO 10-1-80A access road. Upon on-site review of this lease it was determined that we would need a right-of-way application for the access road since the existing access road is near our location, but was not on our lease. Upon receiving Mr. Williams plat, it has been determined that the existing access road does cut across our SE $\frac{1}{4}$  and is on our lease. We believe this alleviates us of having to file a right-of-way application for this access road.

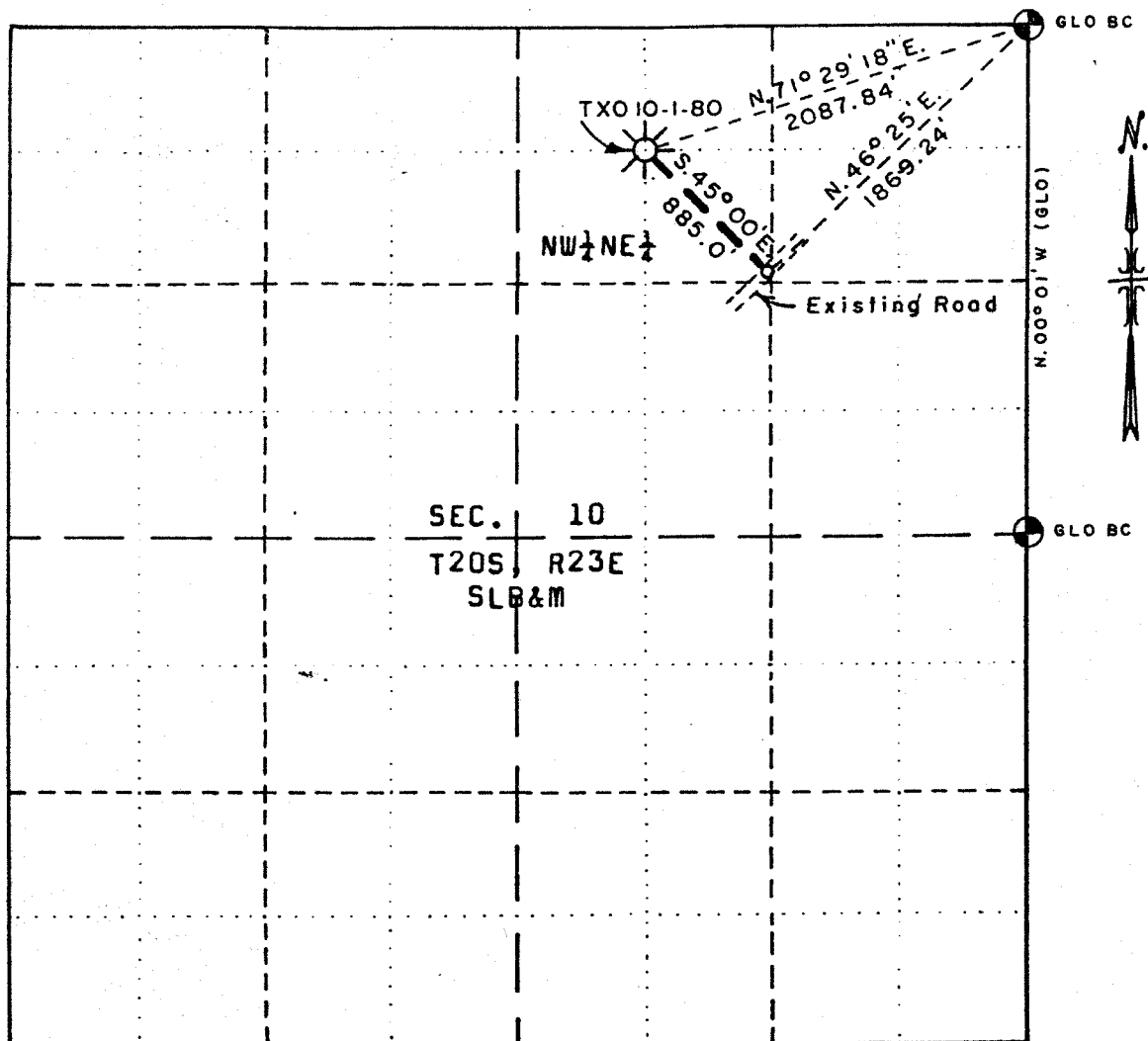
Sincerely,

AMBRA OIL & GAS COMPANY



Kerry M. Miller  
Production Manager

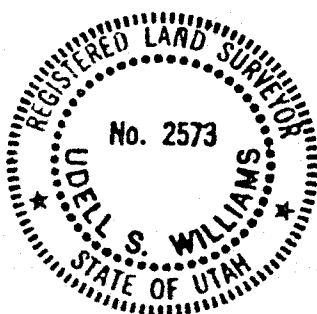
KMM:kf



SCALE: 1" = 1000'

A twenty foot right-of-way for a proposed road, the centerline of which is described as follows: Beginning at Ambra Oil & Gas Co. Well No. TXO 10-1-80 whence the Northeast corner of Section 10, T20S, R23E, SLB&M bears N. 71° 29' 18" E. 2087.84 feet; thence S. 45° E. 885.0 feet to the centerline of an existing road, from which point the Northeast corner of said Section 10 bears N. 46° 25' E. 1869.24 feet.

Grand County, Utah



### SURVEYOR'S CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF

*Udell S. Williams*  
UTAH R.L.S. NO. 2573



**UDELL S. WILLIAMS**

751 Rood Avenue  
GRAND JUNCTION, COLORADO 81501

PLAT OF  
PROPOSED ROAD R.O.W.

AMBRA OIL & GAS CO.  
NW 1/4 NE 1/4 SECTION 10  
T20S, R23E, SLB&M

SURVEYED BY: USW DATE: 2-25-80  
DRAWN BY: USW DATE: 2-25-80

33

34

35

BOWERS

2-35 Fed

BOWERS

3-35 Fed

BOWERS

1-34 Fed

WP Co  
No 143  
3096  
A3112

F. ADAMS  
(silt)

F. ADAMS  
1-037

F. ADAMS

1-2

F. ADAMS

2-3

F. ADAMS

2-2

JACOBS  
3223

U.V.I.N.D.  
No. 4  
3216

I. FUELS

N-2

I. FUELS

+2997

B-A  
LEVON I  
A 3137  
Kd 3104

WP Co.  
D  
P&A

W.R.  
+3268

WP Co.  
+3230

WP Co.  
No. 6

WP Co.  
No. 5  
3232

MOSS  
Fed

Drill Hole

W.P.  
No. 1  
+3221

CISCO SPRING

Drill Hole

WP Co.  
G GOVT I  
3312

PROVO Co.

3330

WP  
No. 9  
3335

B-A  
B.D. I  
3345

DDT  
No. 1  
+3360

WP Co.  
No. 4  
+3368

WP Co.  
No 2  
+3459

I. FUELS  
22-1

I. FUELS  
22-2

I. FUELS  
23-1

I. FUELS  
23-2

C&D

+3020

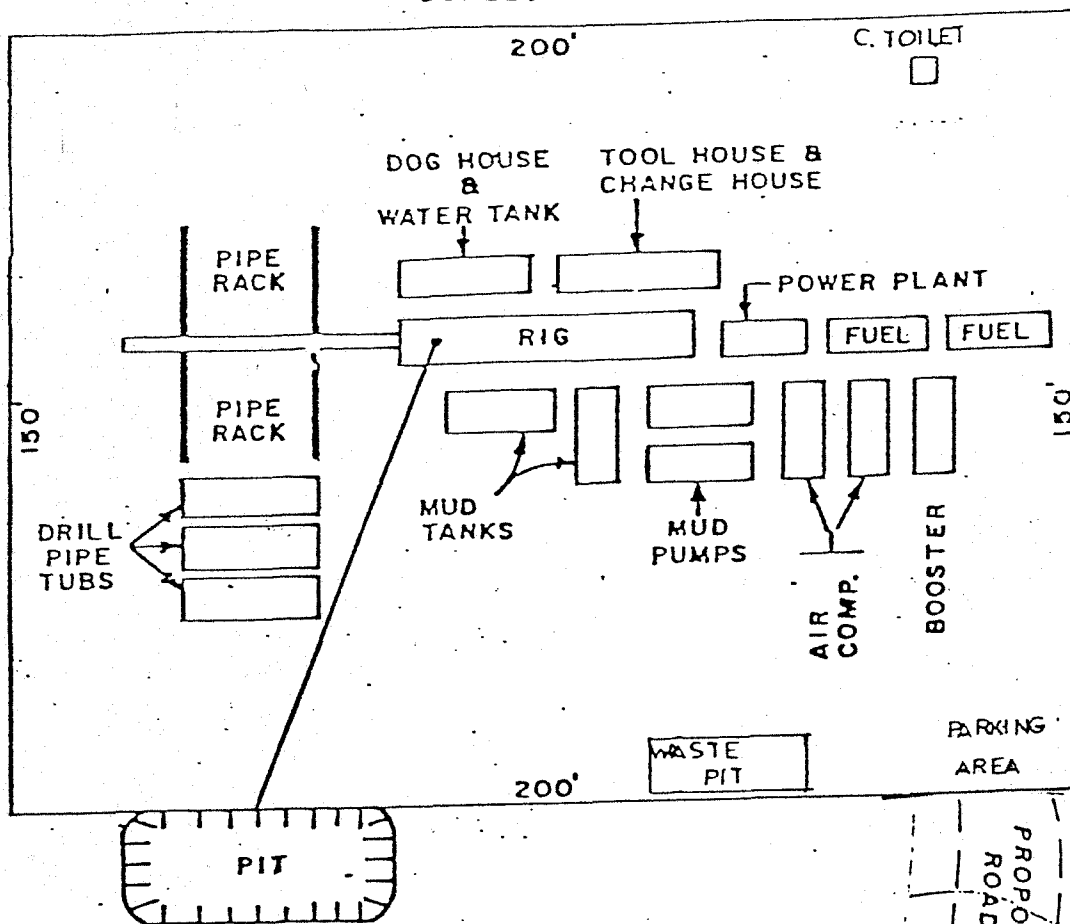
C&D  
No. 3

C&D  
No. 1

3078

CISCO  
T. 20 S., R. 23 E.  
GRAND Co. UTAH

SCALE: 1" = 40'



TOP SOIL STOCKPILE 12" HIGH

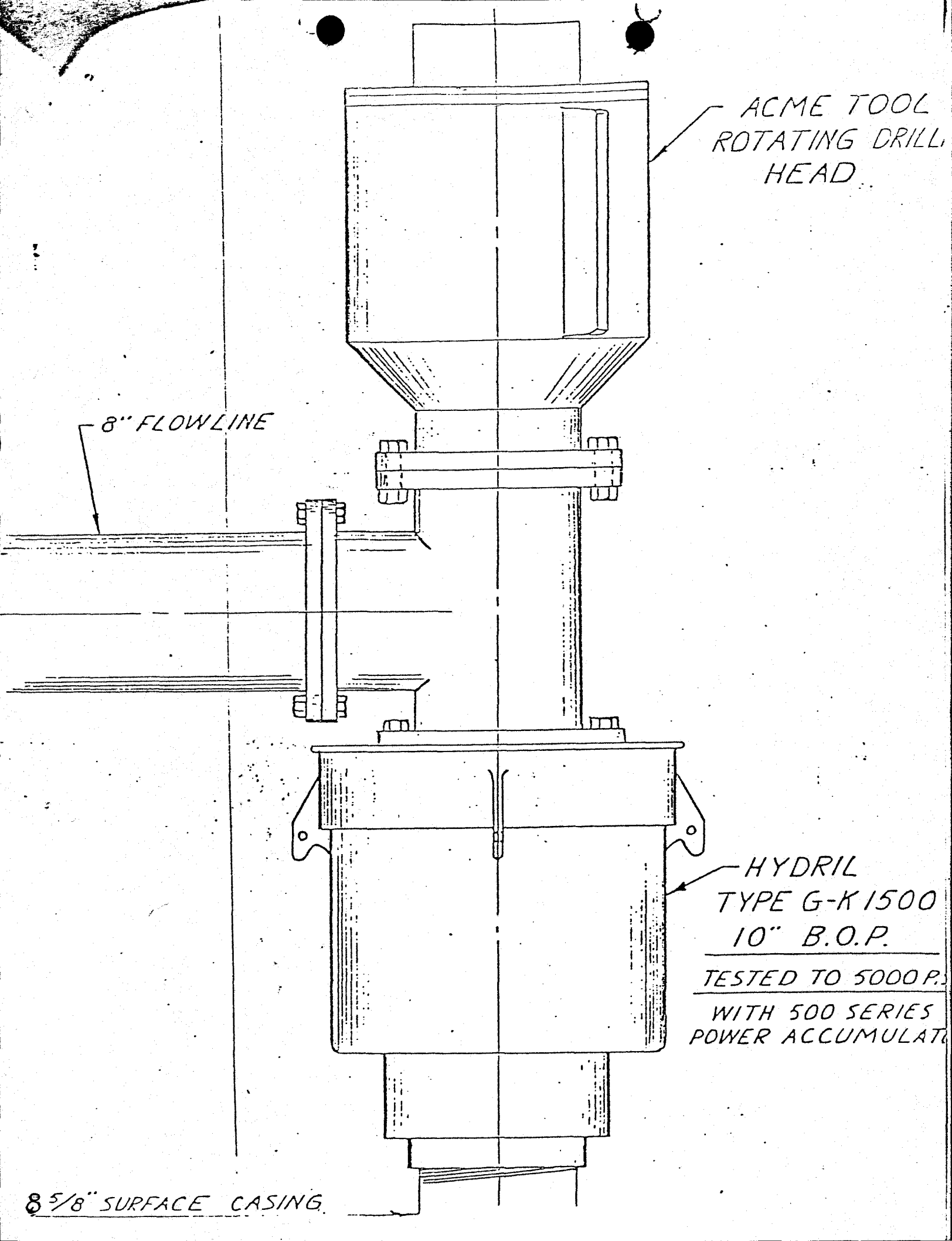
ACME TOOL  
ROTATING DRILL  
HEAD

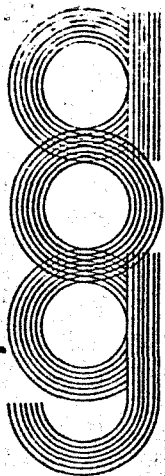
8" FLOWLINE

HYDRIL  
TYPE G-K 1500  
10" B.O.P.

TESTED TO 5000 P.S.I.  
WITH 500 SERIES  
POWER ACCUMULATOR

8 5/8" SURFACE CASING





# ambra oil & gas co.

Suite 420-430  
Prudential Federal Savings & Loan Building  
115 South Main • Salt Lake City, Utah 84111  
(801) 532-6640

April 3, 1980

Mr. Glen Doyle  
U.S.G.S.  
Grand Junction Dist. Office  
31 North 6th Street, Ste. 300  
Grand Junction, Colorado 81501

Dear Glen:

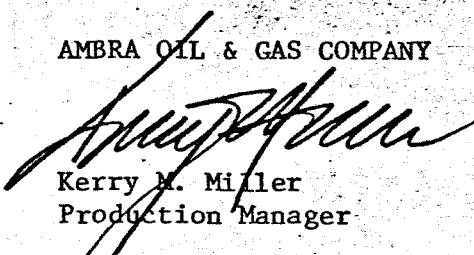
I have concluded a series of conversations with Mr. Jim Laraley of Dalgarno Transport, Grand Junction, Colorado. He does all the water hauling for Stan Starnier (Starnier Drilling). He stated that Dalgarno Transport purchases water from individuals on the Colorado river and from various water operations in Mack, Colorado. He is sending me copies of his State of Utah and Colorado purchasers to haul and purchase water. I will forward these to you upon receipt. I might add, that in my discussions with the State of Utah and Colorado District Water Engineers, both expressed adverse opinions towards any U.S.G.S. involvement in their governing of water or proof of existence of any so called permits to purchase water.

I have been assured by Jim Laraley that Dalgarno does purchase its water from private individuals and does not arbitrarily take water from any persons without permission and/or subsequent payment. On the basis of this information, I as the operator's representative can inform you that a water agreement does exist. They are, however, verbal or a varied number of written. Therefore, to furnish you a copy of such agreements is not possible at this time.

If you have any comments or questions, please contact me personally at your convenience.

Sincerely,

AMBRA OIL & GAS COMPANY

  
Kerry M. Miller  
Production Manager

KMM:kf

APPENDIX II



# United States Department of the Interior

BUREAU OF LAND MANAGEMENT  
Moab District  
Grand Resource Area  
P. O. Box M  
Moab, Utah 84532

IN REPLY REFER TO

3100  
(U-603)

April 3, 1980

## Memorandum

To: Oil & Gas Office, USGS Conservation Division,  
P.O. Box 3768, Grand Jct., CO 81502

From: Area Manager, Grand

Subject: Ambra Oil & Gas Co.  
TX0 10-1-80A, Lease U-44440  
Section 10, T. 20 S., R. 23 E.  
Grand County, Utah

On April 1, 1980, a representative from this office met with Glen Doyle, USGS, and Kerry Miller agent of Ambra Oil & Gas Co. for an inspection of the above referenced location. Subject to the attached conditions, I am approving the surface management portion of the Application for Permit to Drill.

The archaeological requirement has been fulfilled on this location and a copy is attached for your files. No threatened or endangered flora or fauna are indicated in the area.

Please forward the enclosed information to Ambra Oil & Gas Co.

Enclosures: (2)  
1-Reclamation Procedures  
2-Seed Mixture



Save Energy and You Save

APPENDIX I

07 APR 1980

## DESIGNATION OF OPERATOR

The undersigned is, on the records of the Bureau of Land Management, holder of lease

DISTRICT LAND OFFICE: Moab District Office, Moab, Utah  
SERIAL NO.: U-44440

and hereby designates

NAME: Ambra Oil & Gas Company  
ADDRESS: Prudential Savings and Loan Building, 115 South Main,  
Salt Lake City, Utah 84111

as his operator and local agent, with full authority to act in his behalf in complying with the terms of the lease and regulations applicable thereto and on whom the supervisor or his representative may serve written or oral instructions in securing compliance with the Operating Regulations with respect to (describe acreage to which this designation is applicable):

Township 20 South, Range 23 East, Grand County, Utah.

Section 9: W/2NE/4, N/2NW/4;

Section 10: NW/4NE/4;

Section 14: SW/4SW/4;

Section 15: N/2NW/4, E/2SE/4;

Section 22: NE/4NE/4;

Section 23: N/2NW/4.

containing 520.00 acres, more or less.

It is understood that this designation of operator does not relieve the lessee of responsibility for compliance with the terms of the lease and the Operating Regulations. It is also understood that this designation of operator does not constitute an assignment of any interest in the lease.

In case of default on the part of the designated operator, the lessee will make full and prompt compliance with all regulations, lease terms, or orders of the Secretary of the Interior or his representative.

The lessee agrees promptly to notify the supervisor of any change in the designated operator.

TEXAS OIL & GAS CORP.

By: M.E. Cochran

(Signature of Lessee)  
M.E. Cochran-- Vice-President  
1800 Lincoln Center  
Denver, CO 80264

February 11, 1980

(Date)

(Address)



DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

NAME OF COMPANY: Ambra Oil and Gas

WELL NAME: TXO-10-1-80A

SECTION 10 NW NE TOWNSHIP 20S RANGE 23E COUNTY Grand

DRILLING CONTRACTOR Starner Drilling

RIG # 10

SPUDED: DATE 4/22/80

TIME 4:00 p.m.

How rotary

DRILLING WILL COMMENCE 4/24

REPORTED BY Kerry Miller

TELEPHONE # 532-6640

DATE April 23, 1980

SIGNED \_\_\_\_\_

Original Signed By M. T. Minder

cc: USGS

DIVISION OF OIL, GAS AND MINING

PLUGGING PROGRAM

NAME OF COMPANY: Ambra Oil and Gas (Newt Burkhalter 303-242-8555)

WELL NAME: TXO-10-1-80A

SECTION 10 NW NE TOWNSHIP 20S RANGE 23E COUNTY Grand

VERBAL APPROVAL GIVEN TO PLUG THE ABOVE REFERRED TO WELL IN THE FOLLOWING MANNER:

TOTAL DEPTH: 2526'

CASING PROGRAM:

8 5/8" # 167'

6 1/2" openhole - TD

FORMATION TOPS:

Dakota 1790'

gas show 1800'

Morrison 1945'

Salt Wash 2165'

Summerville 2490'

PLUGS SET AS FOLLOWS:

#1 2300 - 2100' 40 sx

#2 1900' - 1700' 40 sx

#3 220' - 120' 20 sx

#4 30' - surface 10 sx

9# - 50 vis, abandonment mud between plugs, clean and regrade site, erect regulation dry-hole marker.

DATE April 28, 1980

SIGNED

Original Signed By M. T. Minder

cc: USGS

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

**SUNDRY NOTICES AND REPORTS ON WELLS**

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☐ well gas ☒ well other ☐  
2. NAME OF OPERATOR  
Ambra Oil & Gas Co.  
3. ADDRESS OF OPERATOR  
115 S. Main, Ste, 420, Salt Lake, UT 84111  
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
AT SURFACE: 660' FNL, 1980' FEL, Sec. 10,  
AT TOP PROD. INTERVAL: T20S, R23E  
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF ☐  
FRACTURE TREAT ☐  
SHOOT OR ACIDIZE ☐  
REPAIR WELL ☐  
PULL OR ALTER CASING ☐  
MULTIPLE COMPLETE ☐  
CHANGE ZONES ☐  
ABANDON\* ☐  
(other) ☐

SUBSEQUENT REPORT OF:

☐  
☐  
☐  
☐  
☐  
☐  
☐  
☒

5. LEASE  
U-44440  
6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
N/A  
7. UNIT AGREEMENT NAME  
N/A  
8. FARM OR LEASE NAME  
  
9. WELL NO.  
TXO 10-1-80A  
10. FIELD OR WILDCAT NAME  
Cisco Springs  
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Sec. 10, T20S, R23E  
12. COUNTY OR PARISH Grand 13. STATE Utah  
14. API NO.  
43-019-30609  
15. ELEVATIONS (SHOW DF, KDB, AND WD)  
4838' GR

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Request for approval to plug and abandon given verbally to and permission granted by Bill Martins, USGS, on 4-27-80 to Newt Burkhalter, P.E. of Grand Junction. Plugging operation completed on 4-27-80. Dry hole marker and sight restoration to be completed within 15 days after rig moved off.

Plugin Program is as follows:

Logs: Dakota	1790'	plug #1	2100-2300	40 sacks
Morrison	1945'	#2	1700-1900	40 "
Salt Wash	2165'	#3	120-220'	20 "
Summerville	2490'	#4	surface plug	10 sacks

TD 2526', 167' of 8 5/8" casing left in hole

Subsurface Safety Valve: Manu. and Type \_\_\_\_\_

Set @ \_\_\_\_\_

18. I hereby certify that the foregoing is true and correct

SIGNED \_\_\_\_\_

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

RECEIVED  
MAY 5 1980  
DIVISION OF  
OIL, GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See other in-  
structions on  
reverse side)Form approved.  
Budget Bureau No. 42-R355.5

2

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

1a. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input checked="" type="checkbox"/> Other _____						5. LEASE DESIGNATION AND SERIAL NO. <u>U-44440</u>	
b. TYPE OF COMPLETION: NEW WELL <input type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> Other _____						6. IF INDIAN, ALLOTTEE OR TRIBE NAME <u>N/A</u>	
2. NAME OF OPERATOR <u>Ambra Oil &amp; Gas Company</u>						7. UNIT AGREEMENT NAME <u>N/A</u>	
3. ADDRESS OF OPERATOR <u>115 S. Main, Ste. 420, Salt Lake City, Utah 84111</u>						8. FARM OR LEASE NAME <u>N/A</u>	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface <u>660' FNL, 1980' FEL, Sec. 10, T20S, R23E, NW NE</u> At top prod. interval reported below <u>At total depth</u>						9. WELL NO. <u>TXO 10-1-80A</u>	
14. PERMIT NO. <u>43-019-30609</u> DATE ISSUED <u>4-18-80</u>						12. COUNTY OR PARISH <u>Grand</u>	
						13. STATE <u>Utah</u>	
15. DATE SPUDDED <u>4-22-80</u>		16. DATE T.D. REACHED <u>4-25-80</u> <u>(2526' TD)</u>		17. DATE COMPL. (Ready to prod.) <u>N/A P&amp;A-4-27-80</u>		18. ELEVATIONS (DF, REB, RT, GR, ETC.)* <u>4838' GR</u>	
						19. ELEV. CASINGHEAD <u>N/A</u>	
20. TOTAL DEPTH, MD & TVD <u>2526' TD</u>		21. PLUG, BACK T.D., MD & TVD <u>N/A</u>		22. IF MULTIPLE COMPL., HOW MANY* <u>N/A</u>		23. INTERVALS DRILLED BY <u>→</u>	
						ROTARY TOOLS <u>yes</u>	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* <u>N/A</u>						25. WAS DIRECTIONAL SURVEY MADE <u>no</u>	
26. TYPE ELECTRIC AND OTHER LOGS RUN <u>CNED, DIL</u>						27. WAS WELL CORED <u>no</u>	
28. CASING RECORD (Report all strings set in well)							
CASING SIZE <u>8 5/8</u>		WEIGHT, LB./FT. <u>32 lbs</u>		DEPTH SET (MD) <u>167'</u>		HOLE SIZE <u>11"</u>	
						CEMENTING RECORD <u>35 sacks (to surface)</u>	
						AMOUNT PULLED <u>N/A</u>	
29. LINER RECORD							
SIZE		TOP (MD)		BOTTOM (MD)		SACKS CEMENT*	
						SCREEN (MD)	
30. TUBING RECORD							
SIZE		DEPTH SET (MD)		PACKER SET (MD)			
31. PERFORATION RECORD (Interval, size and number) <u>N/A</u>							
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.							
DEPTH INTERVAL (MD)				AMOUNT AND KIND OF MATERIAL USED			
33.* PRODUCTION							
DATE FIRST PRODUCTION <u>PEA</u>		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
DATE OF TEST		HOURS TESTED		CHOKE SIZE		PROD'N. FOR TEST PERIOD	
						<u>→</u>	
FLOW. TUBING PRESS.		CASING PRESSURE		CALCULATED 24-HOUR RATE		OIL—BBL.	
						<u>→</u>	
						GAS—MCF.	
						<u>→</u>	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)						TEST WITNESSED BY	
35. LIST OF ATTACHMENTS <u>CNED and DIL logs</u>							
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records							
SIGNED <u>[Signature]</u>		TITLE <u>Production Manager</u>				DATE <u>5/5/80</u>	

\*(See Instructions and Spaces for Additional Data on Reverse Side)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See instructions on  
reverse side)Form approved.  
Budget Bureau No. 42-R355.5.

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ DRY ☒ Other \_\_\_\_\_

b. TYPE OF COMPLETION:

NEW WELL ☐ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other \_\_\_\_\_

2. NAME OF OPERATOR

Ambra Oil &amp; Gas CO.

3. ADDRESS OF OPERATOR

115 South Main, Suite 420, Salt Lake City, UT 84111

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*

At surface 660' FNL, 1980' FEL, Sec. 10, T20S, R23E

At top prod. interval reported below

At total depth

14. PERMIT NO.

DATE ISSUED

4/18/80

12. COUNTY OR  
PARISH

Grand

13. STATE

Utah

15. DATE SPUDDED

4/22/80

16. DATE T.D. REACHED

4/25/80

17. DATE COMPL. (Ready to prod.)

Plugged

18. ELEVATIONS (DF, REB, ET, GR, ETC.)\*

4838

19. ELEV. CASINGHEAD

4848

20. TOTAL DEPTH, MD &amp; TVD

2526' TD

21. PLUG, BACK T.D., MD &amp; TVD

22. IF MULTIPLE COMPL.,  
HOW MANY\*23. INTERVALS  
DRILLED BY

ROTARY TOOLS

CABLE TOOLS

2526'

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\*

None

25. WAS DIRECTIONAL  
SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

DIL, CNFD

27. WAS WELL CORED

No

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8"	32 lbs	160'	11"	60 sacks	0
N/A	N/A	2526'	6 3/4"	N/A	0

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)

30. TUBING RECORD

31. PERFORATION RECORD (Interval, size and number)

NONE

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED

33. PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
DA							
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
			→				
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-AP (CORR.)	
		→					

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

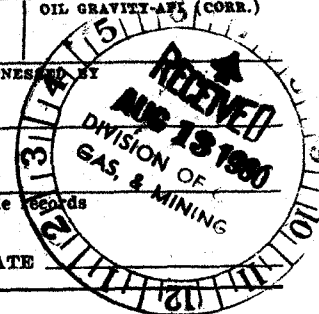
TITLE

Production Manager

DATE

\*(See Instructions and Spaces for Additional Data on Reverse Side)

DUPLICATE COPY



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☐ gas ☐ other ☒ dry  
2. NAME OF OPERATOR  
Ambra Oil & Gas Company  
3. ADDRESS OF OPERATOR 84101  
47 W. 200 S., Suite 510 Salt Lake City, UT  
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
AT SURFACE: 660' FNL 1980' FEL, NW $\frac{1}{4}$  NE $\frac{1}{4}$   
AT TOP PROD. INTERVAL:  
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	<input type="checkbox"/>		<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>		<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>		<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>		<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>		<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>		<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>		<input type="checkbox"/>
ABANDON*	<input type="checkbox"/>		<input type="checkbox"/>
(other) Final Release of Location			<input checked="" type="checkbox"/>

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

A visual inspection of this location on August 19, 1983 showed establishment of perennial vegetation. This site is ready for final inspection.

RECEIVED  
SEP 19 1983

DIVISION OF

OIL, GAS & MINING

Subsurface Safety Valve: Manu. and Type \_\_\_\_\_

Set @ \_\_\_\_\_ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED Linda Conde TITLE Production Mgr. DATE September 16, 1983

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

5. LEASE  
U-44440 ✓  
6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
NA  
7. UNIT AGREEMENT NAME  
NA  
8. FARM OR LEASE NAME  
TXO  
9. WELL NO.  
10-1-80A  
10. FIELD OR WILDCAT NAME  
Greater Cisco Area  
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Sec. 10, T20S R23E  
12. COUNTY OR PARISH 13. STATE  
Grand Utah  
14. API NO.  
43-019-30609  
15. ELEVATIONS (SHOW DF, KDB, AND WD)  
4838' GR

(NOTE: Report results of multiple completion or zone change on Form 9-330.)